

United States of America  
Department of Transportation -- Federal Aviation Administration  
**Supplemental Type Certificate**

*Number* ST01729NY-D

*This certificate issued to* PATS Aircraft, LLC.  
21652 Nanticoke Avenue  
Georgetown, Delaware 19947

*certifies that the change in the type design for the following product with the limitations and conditions therefor as specified herein meets the airworthiness requirements of Part 25 of the Federal Aviation Regulations.*

*Original Product -- Type Certificate Number:* A57NM Revision 8

*Make:* Embraer

*Model:* ERJ 190-100 ECJ

*Description of Type Design Change:*

Installation of a Passenger Gaseous Oxygen Supply System in accordance with PATS Aircraft, LLC Master Drawing List 6072-0000- MDL Revision A dated December 15, 2008.

*Limitations and Conditions:*

1. PATS Aircraft, LLC. Airplane Flight Manual Supplement No. 226 for an Executive Interior, FAA approved revision IR dated April 17, 2009 is required.
2. PATS Aircraft, LLC. Maintenance Manual Supplement TO-3163, revision IR dated May 1, 2008, with TR20-1001 dated April 10, 2009, or later approved revision, is required for Continued Airworthiness.
3. The installation of STC's ST01727NY-D, (Installation of an Executive Interior) and ST01728NY-D (Class "C" Cargo Compartment), are required for this STC.

(See STC Continuation Sheet, Page 2)

*This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.*

*Date of application :* November 2, 2007

*Date reissued :*

*Date of issuance :* December 29, 2008

*Date amended :* April 17, 2009



*By direction of the Administrator*

David E. Warner  
DAS administrator  
DAS-955292-NE

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.

# Supplemental Type Certificate

(Continuation Sheet)

*Number* ST01729NY-D

Date of Issuance: April 17, 2009

*Limitations and Conditions* (Continued):

4. The installer must determine whether this design change is compatible with previously approved modifications.
5. If the holder agrees to permit another person to use this certificate to alter a product, the holder must give the other person written evidence of that permission.
6. This modification may not be installed after August 30, 2010 unless (1) previously approved electrical wiring interconnections system (EWIS) instructions for continued airworthiness (ICA) have been evaluated and determined to be adequate for these installations by the FAA, or (2) revised EWIS ICA have been approved by the FAA Oversight Office (Refer § 26.11).

*Certification Basis:*

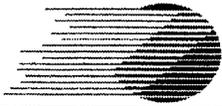
1. Based on 14 CFR § 21.115 and § 21.101 and the FAA policy for changes that are not significant in FAA Order 8110.48, the certification basis for these modifications are as follows:

The existing type certification basis for the Embraer ERJ 190-100 ECJ as shown on FAA type certificate data sheet A57NM Rev. 8, March 9, 2009, along with the following exceptions:

FAR 25.981 Amendment 25-125

Part 26 regulation

Part 14 CFR para. 21.101(g), applicable provisions of 14 CFR Part 26 must be met.



April 17, 2009

Federal Aviation Administration – NYACO  
Attention: Mr. Anthony Socias  
Manager – NYACO  
1600 Stewart Avenue  
4<sup>th</sup> Floor, Suite 410  
Westbury, NY 11590

Subject: STC ST01729NY-D Transmittal

Dear Mr. Socias,

In accordance with our DAS Manual procedures, I have issued Supplemental Type Certificate (STC) ST01729NY-D for an amendment to STC ST01729NY-D (Passenger Gaseous Oxygen Supply System in a in a Embraer ERJ 190-100 ECJ) for inclusion of Flight Manual Supplement (FMS) #226 with this STC (DAS Project No. DAS-GED-P082).

Based upon my review and approval of Flight Manual Supplement #226, I am issuing STC ST01729NY-D, date of amendment April 17, 2009 approving the installation.

Fabrication of parts under this STC shall be in accordance with PATS Aircraft, LLC. Master Drawing List 6072-0000- MDL Revision A dated December 15, 2008.

A copy of this STC must be maintained as part of the permanent records for the aircraft.

If you have any questions, please do not hesitate to contact me.

Sincerely,

David E. Warner  
VP & Administrator of DAS-955292-NE

DEW/ld

Enclosure

Cc: Steve Etmanski, Scott Coyne (QC), George Duckett - NYACO (OMT Lead), Doc. Control,  
DAS file, Project Book